

1 BILL NO. S-82-12-14

2 SPECIAL ORDINANCE NO. S-243-82

3 AN ORDINANCE approving Change Order
4 No. 6 and Final, Resolution No. 313-80,
5 Limberlost-Mardego Hills, Project No.
6 C-180599-06, in connection with the Board
7 of Public Works.

8 BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF
9 FORT WAYNE, INDIANA:

10 SECTION 1. That Change Order No. 6 and Final, Resolu-
11 tion No. 313-80, Limberlost-Mardego Hills, Project No.
12 C-180599-06, with Earth Construction & Engineering, Inc., in
13 connection with the Board of Public Works, for:

14 the adjustment of estimated quantities in
15 the contract unit price to conform with
16 actual quantities installed in order to
17 close out and complete the project;

18 involving a net increase in the amount of Five Thousand Two
19 Hundred Eighteen and 20/100 Dollars (\$5,218.20), all as more
20 particularly set forth in the specifications, and which is on
21 file with the Office of the Board of Public Works and is by
22 reference incorporated herein, made a part hereof and is hereby
23 in all things ratified, confirmed and approved.

24 SECTION 2. That this Ordinance shall be in full force
25 and effect from and after its passage and any and all necessary
26 approval by the Mayor.

27 APPROVED AS TO FORM
28 AND LEGALITY

29 
30 Bruce O. Boxberger, City Attorney

31 
32 Councilmember

Read the first time in full and on motion by Burns, seconded by Adams, and duly adopted, read the second time by title and referred to the Committee City Clerk (and the City Plan Commission for recommendation) and Public Hearing to be held after due legal notice, at the Council Chambers, City-County Building, Fort Wayne, Indiana, on _____, 19____, the _____ day of _____, at _____ o'clock _____ M., E.S.T.

DATE: 2-17-82

Charles W. Westerman
CHARLES W. WESTERMAN - CITY CLERK

Read the third time in full and on motion by Burns, seconded by Adams, and duly adopted, placed on its passage. PASSED (LOST) by the following vote:

	AYES	NAYS	ABSTAINED	ABSENT	TO-WIT:
TOTAL VOTES	<u>9</u>	_____	_____	_____	_____
BRADBURY	<u>✓</u>	_____	_____	_____	_____
BURNS	<u>✓</u>	_____	_____	_____	_____
EISBART	<u>✓</u>	_____	_____	_____	_____
GIAQUINTA	<u>✓</u>	_____	_____	_____	_____
SCHMIDT	<u>✓</u>	_____	_____	_____	_____
SCHOMBURG	<u>✓</u>	_____	_____	_____	_____
SCRUGGS	<u>✓</u>	_____	_____	_____	_____
STIER	<u>✓</u>	_____	_____	_____	_____
TALARICO	<u>✓</u>	_____	_____	_____	_____

DATE: 12-28-82

Charles W. Westerman
CHARLES W. WESTERMAN - CITY CLERK

Passed and adopted by the Common Council of the City of Fort Wayne, Indiana, as (ZONING MAP) (GENERAL) (ANNEXATION) (SPECIAL)

(APPROPRIATION) ORDINANCE (RESOLUTION) NO. 2243-82

on the 28th day of December, 1982

ATTEST:

(SEAL)

Charles W. Westerman
CHARLES W. WESTERMAN - CITY CLERK

Samuel J. Talarico
PRESIDING OFFICER

Presented by me to the Mayor of the City of Fort Wayne, Indiana, on the 29th day of December, 1982, at the hour of 11:30 o'clock A.M., E.S.T.

Charles W. Westerman
CHARLES W. WESTERMAN - CITY CLERK

Approved and signed by me this 3rd day of January, 1983, at the hour of 10:30 o'clock P.M., E.S.T.

Win Moses, Jr.
WIN MOSES, JR. - MAYOR

BILL NO. S-82-12-14

REPORT OF THE COMMITTEE ON CITY UTILITIES

WE, YOUR COMMITTEE ON City Utilities TO WHOM WAS REFERRED AN
ORDINANCE approving Change Order No. 6 and Final, Resolution
No. 313-80, Limberlost-Mardego Hills, Project No. C-180599-06,
in connection with the Board of Public Works

HAVE HAD SAID ORDINANCE UNDER CONSIDERATION AND BEG LEAVE TO REPORT
BACK TO THE COMMON COUNCIL THAT SAID ORDINANCE DO PASS.

PAUL M. BURNS - CHAIRMAN

MARK E. GIAQUINTA - VICE CHAIRMAN

JAMES S. STIER

JANET G. BRADBURY

ROY J. SCHOMBURG

DATE

CONCURRED IN
CHARLES W. WESTERMAN, CITY CLERK

CHANGE ORDER

Change Order No. 6 and Final
 Project No. C-180599-06
 Name of Project: Limberlost-Mardego Hills

Resolution No. 313-80
 Board Order No. 15-80
 Date: Nov 17, 1982

To: Earth Construction & Engineering, Inc.
 (Contractor)

Gentlemen:

You are hereby requested to comply with the following changes from the contract plans and specifications:

Item No.	Quantity	Description of Change	Unit Price	Change in Contract Price	
		Description		Decrease	Increase
		See Attached Justification			
Total Decrease				32,127.95	
Total Increase					40,346.15
Net (Decrease) (Increase)					5,218.20

The sum of \$ 5,218.20 is hereby (added to) (~~deducted from~~) the total contract price and the final contract price shall be adjusted as follows:

Original Contract Price	
Current Contract Price Adjusted by Previous Change Order	\$ <u>526,350.80</u>
New Contract Price including this Change Order	\$ <u>569,891.04</u>
	\$ <u>575,109.24</u>

The time provided for completion in the contract for this project is (unchanged) (~~increased~~) (~~decreased~~) by -0- calendar days due to this Change Order. The date for completion of all work shall be N/A. Furthermore, this document shall become an amendment to the contract and all provisions of the contract shall apply hereto.

Recommended by: Chas. E. Long Chief Engineer Date: Nov 19, 1982
 Accepted by: Michael P. Lento Vice-President/Contractor Date: Nov. 5, 1982
 Approved by: Philip R. Bolla City Engineer Date: Nov. 22, 1982
 Approved by: Ben L. Bolla Owner Date: 11/24/82
 Attested by: Sandra E. Kennedy Clerk Date: 11/24/82

St. Joe Study Area C-180599-06 - B.O. 15-80
Resolution 313-80 - "Lumberlost-Mardego Hills"
Earth Construction & Engineering, Inc., Contractor

Item No.	Quantity	Description of Change	Unit Price	Change in Contract Price	
		Description		Decrease	Increase
1	223 LF	8" Sewer Pipe	16.80	3,746.40	
1*	6 LF	8" Sewer Pipe (Lateral #2)	16.80		100.80
1*	20 LF	8" Sewer Pipe (Lateral #3) ^{Per Corps} App. C.O.#1	16.80		336.00
2	31 LF	10" Sewer Pipe	20.15	624.65	
3	55 LF	12" Sewer Pipe	22.65	1,245.75	
4	1 EA	Std. MH Type I-A	1,190.00	1,190.00	
4*	1 EA	Std. MH Type I-A (Lat #3) ^{Per Corps} App. C.O. 1	1,190.00		1,190.00
5	1 EA	Std. MH Type VI-A	1,955.00		1,955.00
5*	1 EA	Std. MH Type VI-A (Lat #2)	1,955.00		1,955.00
6	23 EA	6" 'T' or 'WYE' Tap unit w/cap, plug	22.95	527.85	
6*	27 EA	6" 'T' or 'WYE' Tap unit w/cap, plug	22.95		619.65
7*	144 LF	6" Building Sewer Pipe	15.50		2,232.00
8	800 CY	Special Backfill	3.40	2,720.00	
8*	620 CY	Special Backfill (Lat #2)	3.40		2,108.00
9	873 CY	#53 or #73 Special Backfill	10.15	8,860.95	
10	124 SY	4" Asphalt (Driveways)	11.50	1,426.00	
10*	55 SY	4" Asphalt (Driveways) (Lat #2)	11.50		632.50
11	200 SY	6" Concrete (Driveways)	10.60	2,120.00	
Total Decrease					
Total Increase				CONTINUED	NEXT PAGE
Net (Decrease)(Increase)				Contract Price	

St. Joe Study Area C-180599-06 - B.O. 15-80
Resolution 313-80 - "Limberlost-Mardego Hills"
Earth Construction & Engineering, Inc., Contractor

Item No.	Quantity	Description of Change		Unit Price	Change in Contract Price	
		Description			Decrease	Increase
11*	24 SY	6" Concrete (Driveways) (Lat #2)		10.60		254.40
12	684 SY	6" Stone Surface (Driveways)		2.00		1,368.00
12*	170 SY	6" Stone Surface (Driveways)		2.00		340.00
13	10 SY	2" Asphaltic Surface (streets)		3.50	35.00	
14	666 SY	Double chip and seal		1.80	1,198.80	
14*	5,676 SY	Double Chip and Seal (Lat #2)		1.80		10,216.80
15	3,272 SY	Seeding and 2" Mulch		0.60	1,963.20	
15*	2,700 SY	Seeding and 2" Mulch (Lat #2)		0.60		1,620.00
16	6,000 SY	Broadcast Seeding		0.35	2,100.00	
17	207.5 LF	4"-12" Tile Replacement		9.70	2,012.75	
19	210 LF	Culvert Pipe 8"-15" CMP (inc. hdwls)		15.70		3,297.00
19*	130 LF	Lat #2 Culvert Pipe 8"-15" CMP (inc. hdwls)		15.70		2,041.00
21	3 LF	Gas Line Replacement and Relocation		10.00	30.00	
23	393 CY	Base Stabilization		4.00	1,572.00	
24	2 SY	1½" Asphaltic Surface (streets)		2.80	5.60	
25	326 SY	4" Asphalt Base for Trench Cuts		11.50	3,749.00	
29	315 Tn	Asphalt Wedging		32.00		10,080.00
*Non-Grant Eligible				Total Decrease	35,127.95	
				Total Increase		40,346.15
Net (Decrease) (Increase)				Contract Price		5,218.20

Change Order No. 6 and Final

Resolution No. 313-80

Board Order No. 15-80

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: _____

See Attached Justification

2. Will proposed change alter size of the project? Yes _____ No X

If yes, explain

3. Affect on operation and maintenance cost of this project:

N/A

Gregory J. Merrell 11/10/80
Project Engineer

FINAL QUANTITIES

A	DESCRIPTION	ORIGINAL BID UNITS	UNIT PRICE	C.Q. NO.	CHANGE ORDER UNITS +/-	REVISED ESTIMATED QUANTITIES	FINAL QUANTITIES	EXTENSION FINAL CONTRACT
	8" Sewer Pipe	6,705± LF	16.80	6	(223 LF)	1,595± LF	6,482 LF	108,897.60
	8" Sewer Pipe (Laterals #2 and #3)	2,845± LF	16.80	1	(1,250±LF)	1,595± LF		
	8" Sewer Pipe (Lateral #2)	N/A	16.80	6	6 LF		1,601 LF	26,896.80
	8" Sewer Pipe (Lateral #3)	N/A	16.80	6	20 LF		20 LF	336.00
	10" Sewer Pipe	2,180± LF	20.15	6	(31 LF)		2,149 LF	43,302.35
	12" Sewer Pipe	3,790± LF	22.65	6	(55 LF)		3,735 LF	84,597.75
	Std. MH Type I-A	36± EA	1,190.00	6	(1 EA)		35 EA	41,650.00
	Std. MH Type I-A (Laterals #2, #3)	7± EA	1,190.00	1	(4±EA)	3± EA		
	Std. MH Type VI-A	3± EA	1,955.00	6	1 EA		4 EA	4,760.00
	Std. MH Type VI-A (Lateral #2)	N/A	1,955.00	6	1 EA		4 EA	7,820.00
	6" 'T' or 'WYE' Tap Unit w/cap,plug	134± EA	22.95	6	(23 EA)		1 EA	1,955.00
	6" 'T' or 'WYE' Tap Unit w/cap,plug	N/A	22.95	6	27 EA		111 EA	2,547.45
	6" Building Sewer Pipe	1,750± LF	15.50	1	1,550±LF	3,300± LF	27 EA	619.65
	Special Backfill	1,300± CY	3.40	3	4,200±CY	5,500± CY	3,444 LF	53,382.00
	Special Backfill (Lateral #2)	N/A	3.40	6	(800 CY)		4,700 CY	15,980.00
	#53 or #73 Special Backfill	3,500± CY	10.15	3	(1,500±CY)	2,000± CY	620 CY	2,108.00
	4" Asphalt (Driveways)	300± SY	11.50	6	(873 CY)		1,127 CY	11,439.05
	4" Asphalt (Driveways) (Lateral #2)	N/A	11.50	6	(124 SY)		176 SY	2,024.00
	6" Concrete (Driveways)	350± SY	10.60	6	55 SY		55 SY	632.50
	6" Concrete (Driveways) (Lateral #2)	N/A	10.60	6	(200 SY)		150 SY	1,590.00
	6" Stone Surface (Driveways)	100± SY	2.00	6	24 SY		24 SY	254.40
	6" Stone Surface (Driveways)	100± SY	2.00	6	684 SY		784 SY	1,568.00
	6" Stone Surface (Driveways) (Lat #2)	N/A	2.00	6	170 SY		170 SY	340.00

FINAL QUANTITIES

ITEM	DESCRIPTION	ORIGINAL BID UNITS	UNIT PRICE	CQ. NO.	CHANGE ORDER UNITS +/-	REVISED ESTIMATED QUANTITIES	FINAL QUANTITIES	EXTENSION FINAL CONTRACT
13	2" Asphaltic Surface (streets)	8,000± SY	3.50	2	(8,000± SY)	None		
				5	11,620± SY	11,620± SY		
14	Double Chip and Seal	7,000± SY	1.80	1	2,600± SY	9,600± SY	11,610 SY	40,635.00
14*	Double chip and seal (Lateral #2)	N/A	1.80	6	(666 SY)		8,934 SY	16,081.20
15	Seeding and 2" Mulch	30,000± SY	0.60	6	(3,272 SY)		5,676 SY	10,216.80
15*	Seeding and 2" Mulch (Lateral #2)	N/A	0.60	6	2,700 SY		26,728 SY	16,036.80
16	Broadcast Seeding	6,000± SY	0.35	6	(6,000 SY)		2,700 SY	1,620.00
17	4"-12" Tile Replacement	1,000± LF	9.70	3	2,050± LF	3,050± LF		
				6	(207.5 LF)		2,842.5LF	27,572.25
18	Exploratory Excavation	6± EA	50.00				6 EA	300.00
19	Culver Pipe 8"-15" CMP (inc. hdwl)	100± LF	15.70	1	800± LF	900± LF		
19*	Culver Pipe 8"-15" CMP (Lateral #2)	N/A	15.70	6	210 LF		1,110 LF	17,427.00
20*	Dewatering	1,200± LF	0.50	3	(1,200± LF)	None	130 LF	2,041.00
21	Gas Line Replace. & Relocate Lat #1	1,100± LF	10.00	1	(920± LF)	180 LF		
				6	(3 LF)		177 LF	1,770.00
21*	Gas Line Replace & Relocate-Lat#3	1,100± LF	10.00	1	(1,100± LF)	None		
22*	6" 'T' or 'WYE' CFW Tap Permits	134± EA	45.00	4	(134± EA)	None		
23*	Base Stabilization	175± CY	4.00	3	875± CY	1,050± LF		
				6	(393 CY)		675 CY	2,628.00
24	1½" Asphaltic Surface	None	2.80	2	11,700± SY			
				5	(11,133± SY)	565± SY		
				6	(2 SY)		563 SY	1,576.40

FINAL QUANTITIES

[illegible]

SUPPLEMENT

NON-GRANT ELIGIBLE ITEMS

ITEM	DESCRIPTION	UNIT	UNIT PRICE	EXTENSION
1	8" Sewer Pipe (Lateral #2)	1,601 LF	16.80	26,896.80
1	8" Sewer Pipe (Later #3) per Corps Approval C.O.1	20 LF	16.80	336.00
4	Std. MH Type I-A (Lat #2) per Corps Approval C.O.1	4 EA	1,190.00	4,760.00
5	Std. MH Type VI-A (Lateral #2)	1 EA	1,955.00	1,955.00
6	6" 'T' or 'WYE' Tapping unit w/cap and plug	27 EA	22.95	619.65
7	6" Building Sewer	3,444 LF	15.50	53,382.00
8	Special Backfill (Lateral #2)	620 CY	3.40	2,108.00
10	4" Asphalt (Driveways) (Lat #2)	55 SY	11.50	632.50
11	6" Concrete (Driveways) (Lat #2)	24 SY	10.60	254.40
12	6" Stone Surface (Driveways) (Lat #2)	170 SY	2.00	340.00
14	Double chip and seal (Lat #2)	5,676 SY	1.80	10,216.80
15	Seeding and 2" Mulch	2,700 SY	0.60	1,620.00
9	Culvert Pipe 8"-15" CMP (incl.hdwl) Lat. #2	130 LF	15.70	2,041.00
11	Gas Line Replace. & Relocate (Lat #3)	None	10.00	
12	6" 'T' or 'WYE' CFW Tap Permits	None	45.00	
3,26	Dewatering, Base Stabilization & Lowering of 12"			
	Sewer - Per Corps Approval C.O. #3	N/A	N/A	7,915.00
	Total Non-Grant Eligible			\$113,077.15
	COST SUMMARY			
	Federal - EPA Share			\$346,524.07
	State Board of Health Share			\$ 46,203.21
	City of Fort Wayne Share (100% + 15%)			\$182,381.96
	FINAL CONTRACT PRICE			\$575,109.24
	NOTE: MBE PARTICIPATION was 9.0% of the Final			
	Contract Price			(51,748.85)

JUSTIFICATION FOR CHANGE ORDER #6 and FINAL
St. Joe Study Area C-180599-06 - B.O. 15-80
Resolution 313-80 - "Lumberlost-Mardego Hills"

EARTH CONSTRUCTION & ENGINEERING, INC., Contractor

Items #1, 2 and 3

Final field measurements indicate mostly decreases in the actual pipe installed after deducting manholes, etc. Lateral #2 and 3 which were originally non-grant fundable have been listed separately. Lateral #3 was never built, but the Army Corps of Engineers under their Change Order #1 approval, deemed 20 LF of 8" Sewer non-grant fundable concerning Lateral #3.

Items #4 and 5

There was no difference in actual manholes installed, however, drop manholes have increased by two. The manholes which belong to Lateral #2 have also been listed separately, which is non-grant fundable. Also, the Army Corps of Engineers under their Change Order #1 approval, deemed one (1) Type I-A manhole non-grant eligible concerning Lateral #3.

Items #6 and 7

Actual taps installed have increased by four. Some of the taps which belong on Lateral #2 are non-grant eligible. Item #7 also represents a slight increase and it is fully non-grant fundable.

Items #8 and 9

Both the above items reflect minor decreases. Also, item #8 was used on Lateral #2 and the quantity has been separated out as non-grant eligible.

Items #10, 11 and 12

Items #10 and 11 both show relatively minor decreases after actual field measurements. Item #12 reflects a substantial increase from the original bid quantity. The original 100 SY estimate was quickly realized as underestimated and there were much more than 100 SY of stone driveways involved. Items related to Lateral #2 have been, again, separated out as non-grant eligible.

Items #13, 14, 24, 25 and 29

All the above items reflect minor decreases based on the actual field measurements. Item #29 is a new bid item created under the Change Order. It was mentioned earlier in previous change orders that severe ground water problems had been encountered on West Rosewood Circle. Due to this reason, the whole street had completely deteriorated and for all practical purposes, was totally lost. The 4" asphalt item for trench cuts could have been used in this case, but due to the extent of the damage, it would have been excessively expensive. Therefore, in order to do the minimum, the contractor and the Engineer decided to do asphalt wedging in order to give some strength to the road bed. The thickness of the asphalt wedging averaged 1"-4". The Engineering Department felt that this was the cheapest alternative available

Items related to Lateral #2 in Limberlost Addition have been listed separately as non-grant eligible.

Items #15 and 16

Actual field measurements indicate decreases from the original bid quantity. Items related to Lateral #2 have been listed separately as non-grant eligible.

Items #17 and 19

Inspectors' reports indicate minor increases and decreases. Again, items related to Lateral #2 have been listed separately as non-grant eligible.

Item #21

It is just a balancing figure and it reflects a minor decrease.

Item #23

Actual base stabilization reflects a major decrease. However, part of this bid item is non-grant fundable as was approved under Change Order #3 from the Army Corps of Engineers.

TITLE OF ORDINANCE Change Order #6 and FINAL, Res. 313-80, Limberlost-Mardego Hills,
Project #C-180599-06

DEPARTMENT REQUESTING ORDINANCE Board of Works

SYNOPSIS OF ORDINANCE This is a close out change order to adjust the estimated
quantities in the contract unit price to agree with actual quantities
installed under this project. Contractor is Earth Construction & Engineering,
Inc.

S-82-12-14

EFFECT OF PASSAGE Completion of project

EFFECT OF NON-PASSAGE

MONEY INVOLVED (DIRECT COSTS, EXPENDITURE, SAVINGS) Increase of \$5,218.20

ASSIGNED TO COMMITTEE